1,

int largestDigit( int n)

{

//instatiate the largest digit value.

//largestdigit is maxNum

int maxNum = 0;

int rem;

n = Math.abs(n);

do {

rem = n % 10;

//Compare the value

// And replace with the new largestdigit if the next digit is greater.

if (rem > maxNum)

{

maxNum = rem;

}

n = n/10;

} while(n > 10);

return maxNum;

}

2,

int isDaphneArray( int[] a)

{

int min = 99; //assuming initialized with large numbers

int max = -99;

int MinCount = 0;

int MaxCount = 0;

int minPos =0,maxPos = 0;

for (int i = 0 ; i < a.length; i++)

{

if (a[i] > max)

{

max = a[i];

MaxCount = 0;

maxPos = i;

}

else if (a[i] < min)

{

min = a[i];

MinCount = 0;

minPos = i;

}

else if (a[i]== min)

{

MinCount++;

}

else

{MaxCount++;}

}

if (MinCount > 1 || MaxCount > 1 || (minPos < maxPos))

{

return 0;

} else

return 1;

}